



2621

**PATENT**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
(Case No. MBHB 01-099)

In the Application of:

Rudger Rubbert, et al.

Group Art Unit: 2621

Serial No. 09/834,593

Filed: April 13, 2001

Title: Scanning System and Calibration  
Method for Capturing Precise  
Three-Dimensional Information of  
Objects

Confirmation No. 4535

**TRANSMITTAL LETTER**

Box Non-Fee Amendment  
Assistant Commissioner for Patents  
Washington DC 20231

Sir:

1. We are transmitting herewith the attached:
  1. Preliminary Amendment
  2. Return Postcard
2. With respect to additional fees:
  - A. ☒ No additional fee is required.
  - B. ☐ Attached is a check in the amount of \$\_\_\_\_\_.
  - C. ☐ Charge the total additional fee to our Deposit Account No. 13-2490.
3. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2490. A duplicate copy of this sheet is enclosed.
4. **CERTIFICATE OF MAILING UNDER 37 CFR § 1.8:** The undersigned hereby certifies that this Transmittal Letter and the paper, as described in paragraph 1 hereinabove, are being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Box Non-Fee Amendment, Assistant Commissioner for Patents, Washington, D.C. 20231 on this 25 day of November, 2002.

By

*Thomas A. Fairhall*  
Thomas A. Fairhall  
Reg. No. 34,591



UNITED STATES PATENT AND TRADEMARK OFFICE  
(Case No. MBHB 01-099)

PATENT

In the Application of:

Rudger Rubbert et al.

Serial No. 09/834,593

Filed: April 13, 2001

For: Scanning System and Calibration  
Method for Capturing Precise  
Three-Dimensional Information  
of Objects

Group Art Unit: 2621

#12/A  
K 1)  
12-11-02

PRELIMINARY AMENDMENT

Box Non-Fee Amendment  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In advance of examination of the application, please add the following new claims.

- 1.126 > 83
81. A scanner for in-vivo scanning the oral cavity, the scanner comprising:
- a light source,
  - a heated mirror directing light from said light source onto anatomical structures in or surrounding the oral cavity; and
  - an electronic imaging device collecting light reflected off of said anatomical structures;
- wherein the heating of said mirror prevents fogging of said mirror during in-vivo scanning.
- A1